Hubbell Control Solutions’ NX Distributed Intelligence™ platform delivers a seamless interior and exterior lighting control solution. NX manages projects from a single room, to entire buildings and multi-location properties. NX offers complete flexibility in project design by offering both wired and wireless options, with a common user interface.
Multiple Solutions, One Platform

NX Distributed Intelligence™ lighting control platform utilizes a Distributed Network Architecture (DNA) that connects intelligent devices including luminaires, controllers, panels, occupancy sensors, photocells, wall switches and dimmers, creating a system with an unmatched level of intelligence, simplicity, scalability and versatility.

Truly Distributed
The Hubbell Control Solutions NX Distributed Intelligence™ lighting control platform is the first of its kind to utilize a distributed network architecture (DNA) which provides users with unmatched system reliability, scalability and simplicity.

Simple
NX provides nearly unlimited lighting control design possibilities and easily self-configures, automatically meeting energy code requirements as devices are connected.

Versatile
NX supports indoor and outdoor applications, wired, wireless and hybrid networked lighting control deployments, and enables emerging applications such as Hubbell Lighting’s SpectraSync™ color tuning technology.

Scalable
The NX platform is designed to scale from a single standalone room to complete networked building with a comprehensive portfolios of panel, room-based and in-fixture controllers, sensors and user interfaces as well as support for Building Automation Systems.

Scalable Solutions for Today and Tomorrow
NX portfolio of compatible products provides the flexibility to easily scale from a single fixture to a complete building using a broad selection of multi-tiered control strategies.

In-Fixture Control
- Luminaire-integrated design
- Out-of-the-box operation
- User-friendly Bluetooth® App

Room Control
- Easy plug-in installation
- SMARTPORT™ auto-configuration
- Adaptive energy efficient operation

Networked Building Control
- Networked solution
- Control and monitor software
- Integration with BAS
NX Delivers Solutions for Any Space or Budget

NX Distributed Intelligence™ platform offers lighting control solutions for virtually any application. Whether indoor or outdoor, wired or wireless, the distributed nature of the NX architecture provides cost-effective and flexible solutions that meet energy codes, maximize energy savings and simplify building operations.

Indoor
- Commercial
- Education
- Healthcare
- Hospitality
- Industrial
- Retail

Outdoor
- Parking & Site
- Building Exterior
- Walkways
Intelligence is in our DNA

NX utilizes a Distributed Network Architecture (DNA), which enables programming to be stored at the device level. Unlike other platforms, NX's fully distributed design means that each intelligent control can function independently all the way down to the room, fixture and device level. This revolutionary approach to lighting control provides a truly intelligent system that eliminates operational dependencies on software, gateways and servers. Today, many other lighting control systems are dependent on and responsive to higher level controllers in the system architecture.

Intelligent Solutions
System architecture built on DNA delivers reliable operation with adaptive code compliant solutions

Intuitive Setup and Commissioning
Ease of implementation with automatic self-configuration feature and mobile App tool

Versatile Platform
Multiple deployment options support wired, wireless and hybrid networked applications

Scalable Architecture
Scales to accommodate a single fixture to large scale enterprise networked facilities

Diagram Key

For additional solutions possible with NX please visit www.hubbellcontrolsolutions.com to view our Vertical Market Application Guides.
Complete Suite of Products

NX Distributed Intelligence™ offers a broad portfolio of controllers, network devices, panels, sensors, and interfaces under one platform to address new construction and retrofit applications.

In-Fixture Controls

- On / Off control and/or two channel dimming
- Suitable for indoor and outdoor applications
- Wireless programming

Room Controls

- Intelligent auto-configuration with devices
- Automatic code compliance
- CAT5 plug and play connectivity
- UL924 emergency solutions

Networked Building Controls

- Central component for enterprise solutions
- Real-time programming and monitoring
- Native BACnet™ support

Simple Setup and Control

NX offers several user interface options, each optimized for a variety of use cases.

Device Setup App

The NX Device Setup App provides Bluetooth® wireless setup and configuration of NX Room Control devices and luminaires equipped with an In-Fixture module with smart sensor. The mobile App is available in Android™ and iOS® versions for free download from Google Play™ or Apple® stores.

Intelliscope™

Intelliscope provides a unique and powerful tool for calibrating and testing NX In-Fixture smart sensors. Motion captured by the sensor is displayed in real-time relative to the current sensitivity setting making precise calibration possible without the need for repetitive “test mode” trial and error calibration.

Wall Switch Stations

Single and multi-button wall switch stations are available in specialty pre-configured and programmable smart versions. Both offer a self-configuration feature that automatically configures the wall switch stations to perform the logical control and code compliant sequence of operation. All NX wall switch stations can be used with Room Controllers, Panels, or In-Fixture Modules in either standalone or networked applications.

NX SimpleTouch™ Graphic Wall Station

The NX SimpleTouch™ Graphic Wall Station provides the ultimate in multi-function operation in a compact single gang package. The NX SimpleTouch™ graphic wall station provides an intuitive and configurable user control for switching, dimming, color tuning using SpectraSync™ technology and activation of groups and presets.

Area Controller

The NX Area Controller is the central component in an enterprise or building networked system. The interface is web browser based and does not require the installation of any software. A native BACnet™ interface facilitates a standard TCP/IP connection providing monitoring and control of lighting by the Building Automation System.

These are the key components. For a full list of NX products please visit www.hubbellcontrolsolutions.com.
NX Enabled Lighting Portfolio

NX Distributed Intelligence™ enables Hubbell’s portfolio of commercial, industrial and architectural luminaires to further reduce energy consumption and total cost of ownership for simple to complex control environments. This provides you the breadth and flexibility to address all your project requirements today and in the future. For a complete list of luminaires with integrated NX options please visit www.hubbellcontrolsolutions.com

Architectural Indoor

- MODx 3L

Commercial Indoor

- LF4SL
- Peloton

Industrial

- LLHV

Architectural & Commercial Outdoor

- Ouro

SpectraSync™ Color Tuning Technology enables dynamic control over the lighting of indoor spaces. Control your space based on the needs of the application, specific activities throughout the day and preferences of the occupants with three distinct SpectraSync™ Color Tuning Technologies.

- Dim to Warm
- Tunable White
- Scheduled White

When paired with SpectraSync™ enabled luminaires, NX delivers a comprehensive color control solution, simplifying setup and code compliance through self-configuration and a Bluetooth® interface with mobile application.

- Complete control solutions for applications using SpectraSync color tuning technology
- Simplified installation with device auto-configuration and plug-n-play connectivity
- Free Bluetooth® enabled mobile app for ease of configuration
  - Available for both iOS and Android devices
- Intuitive app interface and user-friendly wall stations for precise control
Energy Savings and the Building Environment

Lighting comprises 17% of the total energy consumption in a building. While commercial lighting energy use continues to decline as a result of increased LED lighting efficacy and more stringent energy codes, there are still opportunities for energy savings. For example, additional savings can be seen through controlling plug loads and the deployment of dimmable LED luminaires controlled with occupancy or daylight sensors.

Additional HVAC Savings

Native BACnet™ Integration with Building Management Systems (BMS) allows an exchange of occupancy and daylight information to help manage energy strategies and promote additional energy efficiency improvements through other building systems, such as HVAC. Integrating lighting control equipment through BACnet has the added benefit of reducing the initial equipment cost, reducing wall and ceiling clutter by eliminating the need for duplicate sensors and leveraging Hubbell Controls Solutions advanced sensor technology. Enabling BMS control of dimmable LED luminaries may represent an additional point of control which reduces the overall thermal load within a conditioned space.

Energy by Use for All Building Types

18% Other
17% Lighting
16% Ventilation
16% Refrigeration
15% Cooling
10% Computers
4% Office Equipment
2% Cooking
1% Water Heating
1% Space Heating

1 US Energy Information Association
https://www.eia.gov/consumption/commercial/reports/2012/energyusage/
From a single standalone fixture solution to a complete networked building approach, NX can maximize energy savings and meet or exceed today’s energy code requirements.

**INDOOR**

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<thead>
<tr>
<th>Feature</th>
<th>Code Ref.</th>
<th>Requirements</th>
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<td>High End Trim</td>
<td>C405.2.2.3</td>
<td>9.4.1.1 (a)</td>
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<td>C405.2.2.2</td>
<td>9.4.1.1 (b)</td>
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<tr>
<td>Multi Level Control</td>
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<td>9.4.11 (i)</td>
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<tr>
<td>Scheduling</td>
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<td>9.4.1.1 (h)</td>
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<tr>
<td>Occupancy Sensor Full OFF</td>
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<td>Occupancy Sensor Partial ON</td>
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<td>Continuous Daylighting</td>
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<td>Plug Load Control</td>
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<td>Demand Response</td>
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| BMS Integration          | Contact Closure | Contact Closure | BACnet

**OUTDOOR**

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<td>Demand Response</td>
<td>Contact Closure</td>
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</tr>
</tbody>
</table>
| BMS Integration          | Contact Closure | Contact Closure | BACnet

**Code Compliance at Every Level of Scalability**

- **High End Trim** - An artificial maximum light output set below actual maximum light output for each space.
- **Continuous Daylighting** - Automatically turns lights down to a reduced level or off based on the amount of daylight present in a space.
- **Daylight OFF** - Automatically turns the lights off based on the amount of daylight.
- **Local Control** - Manual lighting controls that control all the lights in that space and requires human intervention.
- **Multi-level control** - Providing additional light levels in a space beyond Full ON and Full OFF.
- **Plug Load Control** - Automatically turns off designated receptacles in response to all occupants leaving the space or time of day.
- **Scheduling** - Controls light levels based on facility schedule.
- **Astronomical Timeclock** - Controls light levels based on sunrise/sunset and project location.
- **Full OFF** - Automatically turns the lights off within a set period of time after all occupants leave the space.
- **Partial ON** - Automatically turns lights on to a reduced level between full on and full off when occupants enter the space.
- **Partial OFF** - Automatically turns lights down to a reduced level between full on and full off after all occupants leave the space.
- **Demand Response** - A defined temporary reduction of lighting load or load shedding in response to a request from an energy authority such as a utility or regional transmission operator.
- **BMS Integration** - The data exchange for control and monitoring from a facilities Building Management System or Energy Management System using a common protocol such as BACnet™.
Comprehensive Support Options to Meet Project Needs

Phone and Online Support
While it is our goal to provide you with intelligent, simple and scalable control solutions, customer experience level and project complexity may necessitate additional support during the design development, construction and post-occupancy stages of a project. The Hubbell Control Solutions support team is available for consultation to evaluate multiple control scenarios to identify the ideal lighting control device or system to meet energy code requirements and customer criteria. Additionally, our team of friendly and experienced professionals is enabled to assist on-site personnel, such as installation contractors, third party integrators, certified field technicians and facilities personnel, to quickly resolve issues and provide additional support.

Design Service
Our team of lighting control system design professionals are available to provide sensor layouts, networked system design services and third party integration support for new and retrofit projects. Our goal is to provide you with on-time and accurate delivery of design deliverables optimized for your specific application, compliant with local building codes and project specifications.

On-site Support
Hubbell Control Solutions offers on-site support service to ensure your project goes smoothly. While Hubbell Control Solutions products are designed with simplicity in mind, some projects may benefit from a Certified Field Technician to perform an on-site pre-installation walk-through, after-hours and remote startup assistance, occupant training, sensor tuning, preset programming and other pre/post-occupancy services.

Warranty
Hubbell Lighting provides a 5-year limited warranty for LED luminaires and Hubbell Control Solutions devices.

Technical Service Center: (800) 888-8006